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WOO et al.(10) **Pub. No.: US 2017/0031263 A1**(43) **Pub. Date: Feb. 2, 2017**(54) **IMAGE FORMING APPARATUS AND
METHOD OF CONTROLLING EXPOSURE
UNIT USED THEREFOR**(30) **Foreign Application Priority Data**

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LTD.**, Suwon-si (KR)**Publication Classification**(51) **Int. Cl.**
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CPC **G03G 15/043** (2013.01)(72) Inventors: **Sang-bum WOO**, Yongin-si (KR);
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Tae-hee KIM, Yongin-si (KR)(73) Assignee: **SAMSUNG ELECTRONICS CO.,
LTD.**, Suwon-si (KR)(57) **ABSTRACT**

An image forming apparatus includes a detection unit configured to detect a linear velocity change of a photosensitive drum, which occurs when the photosensitive drum rotates, and an exposure controller configured to control an exposure timing of the exposure unit based on the linear velocity change of the photosensitive drum, which is detected by the detection unit.

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